

## ARCHITECTURAL FINISHING (A&F)

SCAL Tradehead			CRS Workhead		
AF01	Partition	Drywall installation.	TR04	Drywall Installation	Installation of drywall
AF02	Ceiling	Ceiling works including plasterboard, metal ceiling and other ceiling system suspended or non- suspended.	TR06	Ceiling Work	Ceiling works including plasterboard, metal ceiling and other ceiling systems, suspended or non-suspended.
AF03	Curtain Wall/Cladding	Curtain wall/cladding works including support structure and related component construction.	CR16	Curtain Walls	Supply and installation of curtain walls and all types of aluminium and glazing works
AF04	Drain Laying/Pavement and Kerb Construction	Drain laying, pavement and kerb construction works.	CR01	Minor Construction Works	Minor building and civil engineering works, and landscape implementation works not governed by the Building Control Act, such as drainage, minor road works, aprons, greenery-related hardscape and installation, and minor A & A.
AF05	Window	Windows installation including glazing works, solar control and security protection lamination film and support structure	CR01	Minor Construction Works	Minor building and civil engineering works, and landscape implementation works not governed by the Building Control Act, such as drainage, minor road works, aprons, greenery-related hardscape and installation, and minor A & A.
AF06	Joinery	Joinery works including timber structure, partition, lightweight structure and doors.	CR06	Interior Decoration, & Finishing Works	Interior design, planning and the decoration of buildings. This includes ceiling panels, partitions, built-in fitments, raised floor works, plastering and tiling.
AF07	Metal Work	Metal works, ironmongery, ornamental works, grating, grills and other metal architectural works including fencing, railing installation and ironworks.	TR10	Ironmongery & Metalwork	Metalwork, ironmongery, ornamental works, grating, grills and other metal architectural works
AF08	Painting and Road Marking	Painting and road marking works including signages and display fittings/fixtures.	CR14	Asphalt Works & Road Marking	Supply and laying of asphalt, marking and painting of roads. Applicants providing asphalt works are expected to have asphalt plant, vibratory roller and bituminous pavers.
AF09	Plastering	Plastering works and textured finishes including related coatings.	TR09	Plastering / Skimming	Plastering/skimming wall finishes.
AF10	Roofing	Roofing works including support structure and related component construction	CR01	Minor Construction Works	Minor building and civil engineering works, and landscape implementation works not governed by the Building Control Act, such as drainage, minor road works, aprons, greenery-related hardscape and installation, and minor A & A.
AF11	Flooring	Wood flooring, tiling works, marble-laying works,raised floor installation and artificial, composite and natural stone finishing works.	TR07	Tile/Marble/Stone Work	All types of wall and floor finishing works with tile/marble/stone finishes.
AF12	Waterproofing	Waterproofing of basement, foundation roofs and walls.	CR13	Waterproofing Installation	Waterproofing of basements, roofs and walls.

SCAL Tradehead			CRS Workhead		
AF13	Horticulture and Landscaping	Horticulture works indoor and outdoor including general turfing and landscaping implementation works*	CR01 (only for landscape implementation* works)	Minor Construction Works	Minor building and civil engineering works, and landscape implementation works not governed by the Building Control Act, such as drainage, minor road works, aprons, greenery-related hardscape and installation, and minor A & A.
AF14	Additions, Alterations Repair and Interior Decoration	Addition alteration and repair work including works forming part of an interior decoration service contract.	CR06	Interior Decoration, & Finishing Works	Interior design, planning and the decoration of buildings. This includes ceiling panels, partitions, built-in fitments, raised floor works, plastering and tiling.
AF15	Wall	External and internal bricklaying works including blockworks, precast panel construction.	CR01	Minor Construction Works	Minor building and civil engineering works, and landscape implementation works not governed by the Building Control Act, such as drainage, minor road works, aprons, greenery-related hardscape and installation, and minor A & A.
AF16	Doors	Door installation & support structure	CR18	Doors	Supply and installation of doors and ironmongery

\* "Landscape implementation" work refers to greenery-related hardscape and installation works to create new landscapes. This includes site clearance, the installation of softscapes, e.g. grass, turf, trees, plants, and the installation of greenery-related infrastructure, e.g. irrigation systems, vertical greenery systems, waterfeatures. On the other hand, "Landscape maintenance" work refers the regular maintenance of these softscapes and greenery-related infrastructure, typically performed after a project's Defects Liability Period (DLP), such as grass-cutting and pruning of hedges.

## CIVIL & STRUCTURAL WORKS (C&S)

SCAL Tradehead			CRS Workhead		
CS01	Road Works, Pipe and Cable Installation, Road Reinstatement and Maintenance	Road works, installation of underground pipe and cables and subsequent reinstatement of road and other surfaces and maintenance thereof include asphalt works.	CR07	Cable/Pipe Laying & Road Reinstatement	Installation of underground cables/pipes and the subsequent reinstatement of roads and other surfaces including detection of underground services.
CS02	Concrete Repair and Surface Works	Reinforcement of structures and joints through the use of cement-sand-mortar mix or the injection of slurry into joints and cracks in concrete structures and the application of spraying of cement-sand mortar onto surfaces of reinforced concrete works including grouting & repair works and gridblasting work.	CR05	Concrete Repairs	This head covers the reinforcement of structures and joints through the use of cement-sand-mortar mix or the injection of slurry into joints and cracks in concrete structures and the application of spraying of cement-sand mortar onto surfaces of reinforced concrete works.
CS03	Concreting	Concreting works to all structure, including foundation, pre-cast, slab blocks, paving concrete works, pavement slab and kerb construction.	TR03	Concreting Work	Concreting to all structures including building and civil engineering works.
CS04	Metal Scaffolding	Metal scaffolding works including erection, maintenance, removal and disposal.	TR01	Formwork	Formwork, strutting and support systems including system formwork, table-form, slip-form, falsework (scaffolding) and the like.
CS05	Metal Formwork and Support Systems	Metal formworks, strutting and support systems including system formwork, tableform, slipform and the like.	TR01	Formwork	Formwork, strutting and support systems including system formwork, table-form, slip-form, falsework (scaffolding) and the like.
CS06	Piling	Installation of all heavy sheet piles, driven precast reinforced and prestressed concrete piles, bored cast-in-situ piles and timber piles.  <b><i>*Requires Specialist Builder Piling Works License [SB(PW)] under BCA's Builders' Licensing Scheme (BLS)</i></b>	CR08	Piling Works	Installation and testing of precast reinforced concrete or prestressed concrete piles, steel piles, bored cast-in-place piles, caissons and special types like micro-piles, barettes piles and composite piles, embedded retaining wall piles like diaphragm walls, contiguous bored piles or secant piles.
CS07	Steel Reinforcement	Reinforcement works includes, barbending, tie wire, post-tension and pre-tension of cables and steel fabrication on an off site.	TR02	Steel Reinforcement Work	Steel reinforcement works including bar cutting, bar bending, steel reinforcement fabrication (on and off site) and bar / prefabricated steel reinforcement placement on site.
CS08	Structural Steel Work	Structural Steelwork including metal frame, space frame, support structure and the like.	CR01	Minor Construction Works	Minor building and civil engineering works, and landscape implementation works not governed by the Building Control Act, such as drainage, minor road works, aprons, greenery-related hardscape and installation, and minor A & A.
CS09	Timber Formwork and Support Systems	Timber formwork, strutting and support systems for structural works and architectural finishes.	TR01	Formwork	Formwork, strutting and support systems including system formwork, table-form, slip-form, falsework (scaffolding) and the like.

SCAL Tradehead			CRS Workhead		
CS10	Demolition	Demolition works include removal and disposal.	CR03	Demolition	General building demolition works refer to the systematic tearing down of whole buildings or substantial structural elements e.g. the complete dismantling of standalone buildings. This does not include localised demolition such as hacking of walls, floor finishes, or partial dismantling for renovation purposes.
CS11	Soil Investigation	<p>Site investigation works</p> <p><b><i>*Requires Specialist Builder Site Investigation Work License [SB(SI)] or Specialist Builder Instrumentation and Monitoring Work License [SB(IM)] under BCA BLS</i></b></p>	CR15	Site Investigation, Instrumentation and Monitoring Works	Site investigation works comprising field investigations, exploratory drilling or boring, logging, sampling, coring, in-situ plate-loading tests, pressure meter tests, penetration tests, vane shear tests, probing tests, permeability tests, geological mapping and geophysical surveys. Instrumentation and monitoring works comprising the installation and monitoring of instruments measuring forces, deformation, displacements, tilt, convergence, pore and earth pressures or ground-water levels.
CS12	Precast Erectors	Installation of precast elements	TR05	Precast Installation	Erection of pre-cast concrete component
CS13	Stabilisation & Earthwork Services	<p>Stabilisation services include excavation and backfill services.</p> <p><b><i>*Requires Specialist Builder Ground Support Works and Stabilization Works License [SB(GS)] under BCA BLS</i></b></p>	CR12	Ground Support & Stabilisation Works	Ground support and stabilisation works, including installation and testing of ground anchors, soil nails, rock bolts, ground treatment like chemical grouting and jet-grouting, reinforced-earth, shotcreting and tunnel supports.

## MECHANICAL & ELECTRICAL WORKS (M&E)

SCAL Tradehead			CRS Workhead		
ME01	Air-Conditioning, Refrigeration & Ventilation Works.	<p>Installation, testing, commissioning, maintenance and repairs of air-conditioning, refrigeration and ventilation systems. The detail trade can be indicated as follows:</p> <p><b>A - General ACMV Installation</b>  <b>B - General Coldroom Installation</b>  <b>C - Ductwork</b>  <b>D - Pipe Work</b>  <b>E - Duct Insulation</b>  <b>F - Pipe Insulation</b>  <b>G - Equipment Installation</b>  <b>H - Electrical Control Wiring</b>  <b>I - Air Grilles</b>  <b>J - Maintenance Service</b>  <b>K - Coldroom Panel Construction</b></p>	ME01	Air-conditioning, Refrigeration & Ventilation Works	The installation, commissioning, maintenance and repairs of air-conditioning, refrigeration, cold rooms, cooling towers, heating and ventilation systems.
ME02	Electrical Engineering Works.	<p>Installation, testing, commissioning, maintenance and repair of electrical based systems such as switchgears, transformers and large generators. It also includes high and low tension overhead line installation, the electrical installations in building and marine vessels. The detail trade can be indicated as follows:</p> <p><b>A - General Electrical Engineering Installation</b>  <b>B - Underground Cabling</b>  <b>C - Cable Jointing</b>  <b>D - Switchboard</b>  <b>E - Control Board</b>  <b>F - Maintenance Service</b></p>	ME05	Electrical Engineering	The installation, testing, commissioning, maintenance and repair of electrical based systems such as switchgears, transformers and large generators. It also includes the electrical installations (e.g. lightings) in building and marine vessels.
ME03	Fire Protection Works.	<p>Installation, testing, commissioning, maintenance and repair of fire protection systems.</p> <p>The detail trade can be indicated as follows:</p> <p>A - Fire Alarm System  B - Sprinkler System  C - Fire Hydrant System  D - Portable Fire Extinguisher and Hose Reel System</p>	ME06	Fire Prevention & Protection Systems	Installation and maintenance of fire alarm, prevention and protection systems. This head may include the supply of fire extinguishers and fire hoses if these items are part and parcel of the system installation or maintenance contract.

SCAL Tradehead			CRS Workhead		
ME04	Plumbing, Sanitary and Gas Piping and Sewerage Works.	<p>Installation, testing, commissioning, maintenance and repairs of plumbing and sanitary system.</p> <p>The detail trade can be indicated as follows:</p> <p>A - Gas Piping System B - Water Treatment Plant C - Pumping Facilities D - Sewerage System E - Filtration System</p> <p><b>*Requires PUB Plumber License or EMA Gas Service Worker License</b></p>	ME12	Plumbing & Sanitary Works	Installation, repairs and servicing of water and gas pipes, sanitary works and plumbing fixtures.
ME05	Lift and Escalator Installation	<p>Installation, testing, commissioning, maintenance and repair of lift and escalator system.</p> <p>The detail trade can be indicated as follows:</p> <p>A - General Lift and Escalator Installation B - Electrical Installation C - Lift Car Fabrication D - Mechanical Installation</p> <p><b>*Requires RW02A/B (Lift Contractors) or RW03A/B (Escalator Contractors) registration under BCA's Contractors Registration System (CRS)</b></p>	ME09	Lift & Escalator Installation and maintenance	This covers the installation, commissioning and maintenance of lifts, escalators and travellers.
ME06	Building Automation, Industrial and Process Control System	Installation, testing, commissioning, maintenance and repair of building automation, industrial and process control system.	ME02	Building Automation, Industrial & Process Control Systems	Installation and maintenance of microprocessor or computer based building control systems (e.g. integrated environmental control, fire and security computer control system), industrial process control systems
ME07	Communication and Security System	<p>Installation, testing, commissioning, maintenance and repair of communication system and security system.</p> <p>The detail trade can be indicated as follows:</p> <p>A - Telephone System B - CCTC System C - TV System D - Cable TV System E - Control or Traffic Light System</p>	ME04	Communication & Security Systems	(a) Installation and maintenance of communications system (e.g. intercom & wireless radio) and security systems (e.g. CCTV, security alarm, car park security control and card access system). (b) Installation and maintenance of Central Antenna Television (CATV) systems.

## EQUIPMENT AND SPECIAL SERVICES (E&S)

SCAL Tradehead			CRS Workhead		
ES01	Construction Plant and Equipment Services	<p>Supply and repair of construction plant and equipment services including:</p> <ul style="list-style-type: none"> <li>- Crane and hoist operation</li> <li>- Bulldozer operation</li> <li>- Excavator operation</li> <li>- Shovel operation</li> <li>- Telescopic handler operation</li> </ul>	ME11 (only if firm does supply and installation/repair/maintenance of equipment)	Mechanical Engineering	The installation, commissioning, maintenance and repair of mechanical plant, machinery and systems. It includes the installation and maintenance of power generation and turbine systems.
ES02	Corrosion Protection Services	Provide corrosion protection services	CR02	Corrosion Protection	Corrosion protection work on metal surfaces and structures. Includes processes such as cathodic, anodic, and electrolytic